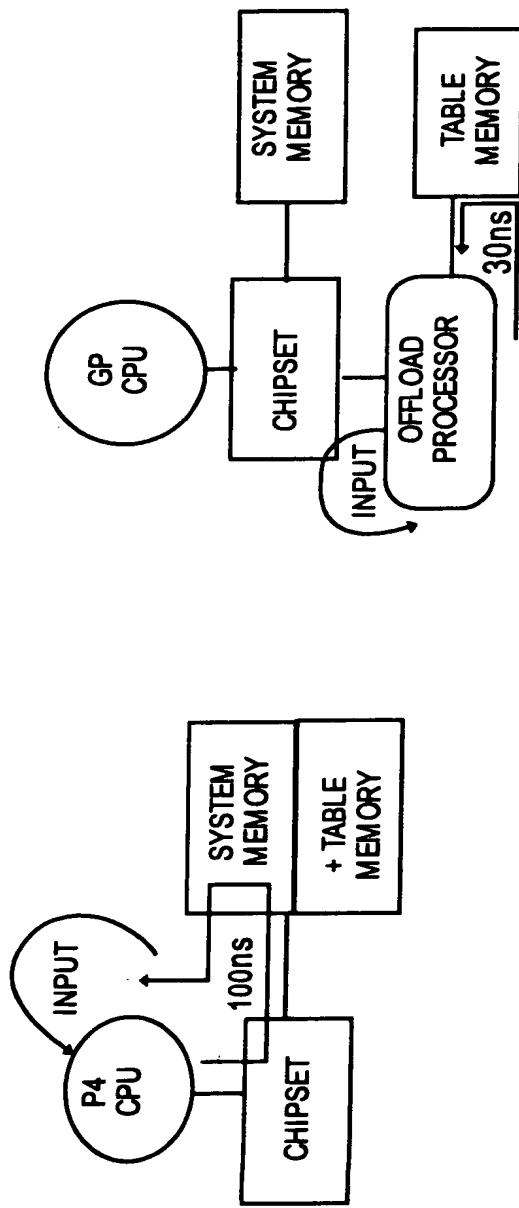


Annotated Sheet

PROPERTIES OF DFA AND NFA TECHNIQUES USED ON CONVENTIONAL MICROPROCESSORS	STORAGE BOUND ON # OF STATES (FOR R CHARACTER REGULAR EXPRESSION)	EVALUATION TIME (FOR N BYTES OF INPUT) [ORDER OF]
DETERMINISTIC FINITE STATE AUTOMATA OR DFA RUNNING ON A GP CPU	$2^R$ (NEEDS VERY LARGE MEMORY)	$N$ MEMORY ACCESS CYCLES
NON-DETERMINISTIC FINITE STATE AUTOMATA NFA RUNNING ON A GP CPU	$R$	$R \cdot N$ CPU CACHE+BRANCH CYCLES

FIG. 1A  
(PRIOR ART)

COPROCESSOR CLOSER TO TABLE IN SRAM



PERFORMANCE ON EVALUATING REGULAR EXPRESSIONS ON EVERY BYTE OF INPUT STREAM

1000s OF RES @ 100 Mbps

GIGABYTES OF MEMORY

100s OF RES @ 280 Mbps

100s OF MBS OF SRAM

**FIG. 1B**  
(PRIoR ART)